

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

|  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|
| <b>APPLICATION FOR PERMIT TO DRILL</b>   |  |  |  |  |  | 1. WELL NAME and NUMBER<br>NBU 921-19K4CS  |  |  |  |
| 2. TYPE OF WORK<br>DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/> |  |  |  |  |  | 3. FIELD OR WILDCAT<br>NATURAL BUTTES  |  |  |  |
| 4. TYPE OF WELL<br>Gas Well <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>   |  |  |  |  |  | 5. UNIT or COMMUNITIZATION AGREEMENT NAME<br>NATURAL BUTTES  |  |  |  |
| 6. NAME OF OPERATOR<br>KERR-MCGEE OIL & GAS ONSHORE, L.P.  |  |  |  |  |  | 7. OPERATOR PHONE<br>720 929-6100  |  |  |  |
| 8. ADDRESS OF OPERATOR<br>P.O. Box 173779, Denver, CO, 80217   |  |  |  |  |  | 9. OPERATOR E-MAIL<br>Andy.Lytle@anadarko.com  |  |  |  |
| 10. MINERAL LEASE NUMBER<br>(FEDERAL, INDIAN, OR STATE)<br>UTU 0581  |  |  | 11. MINERAL OWNERSHIP<br>FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>       |  |  | 12. SURFACE OWNERSHIP<br>FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/> |  |  |  |
| 13. NAME OF SURFACE OWNER (if box 12 = 'fee')  |  |  |  |  |  | 14. SURFACE OWNER PHONE (if box 12 = 'fee')  |  |  |  |
| 15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')   |  |  |  |  |  | 16. SURFACE OWNER E-MAIL (if box 12 = 'fee')   |  |  |  |
| 17. INDIAN ALLOTTEE OR TRIBE NAME<br>(if box 12 = 'INDIAN')<br>UTE TRIBE   |  |  | 18. INTEND TO COMMINGLE PRODUCTION FROM<br>MULTIPLE FORMATIONS<br>YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/> |  |  | 19. SLANT<br>VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>                               |  |  |  |

| 20. LOCATION OF WELL            | FOOTAGES          | QTR-QTR | SECTION | TOWNSHIP | RANGE  | MERIDIAN |
|---------------------------------|-------------------|---------|---------|----------|--------|----------|
| LOCATION AT SURFACE             | 1883 FSL 1988 FWL | NESW    | 19      | 9.0 S    | 21.0 E | S        |
| Top of Uppermost Producing Zone | 1584 FSL 2313 FWL | NESW    | 19      | 9.0 S    | 21.0 E | S        |
| At Total Depth                  | 1584 FSL 2313 FWL | NESW    | 19      | 9.0 S    | 21.0 E | S        |

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| 21. COUNTY<br>UINTAH                     |  | 22. DISTANCE TO NEAREST LEASE LINE (Feet)<br>2313                                       |  | 23. NUMBER OF ACRES IN DRILLING UNIT<br>2400  |  |
|  |  | 25. DISTANCE TO NEAREST WELL IN SAME POOL<br>(Applied For Drilling or Completed)<br>427 |  | 26. PROPOSED DEPTH<br>MD: 11369 TVD: 11336  |  |
| 27. ELEVATION - GROUND LEVEL<br><br>4813 |  | 28. BOND NUMBER<br><br>WYB000291  |  | 29. SOURCE OF DRILLING WATER /<br>WATER RIGHTS APPROVAL NUMBER IF APPLICABLE<br>43-8496 |  |

| Hole, Casing, and Cement Information |           |             |           |        |                |             |                            |       |       |        |
|--------------------------------------|-----------|-------------|-----------|--------|----------------|-------------|----------------------------|-------|-------|--------|
| String                               | Hole Size | Casing Size | Length    | Weight | Grade & Thread | Max Mud Wt. | Cement                     | Sacks | Yield | Weight |
| Surf                                 | 11        | 8.625       | 0 - 2820  | 28.0   | J-55 LT&C      | 0.2         | Type V                     | 180   | 1.15  | 15.8   |
|                                      |           |             |           |        |                |             | Class G                    | 270   | 1.15  | 15.8   |
| Prod                                 | 7.875     | 4.5         | 0 - 11369 | 11.6   | HCP-110 LT&C   | 12.5        | Premium Lite High Strength | 350   | 3.38  | 12.0   |
|                                      |           |             |           |        |                |             | 50/50 Poz                  | 1620  | 1.31  | 14.3   |

**ATTACHMENTS**

**VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES**

|  |  |
|--|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER         | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN                 |
| <input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)               | <input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER |
| <input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED) | <input checked="" type="checkbox"/> TOPOGRAPHICAL MAP                      |

|                                       |                                    |                                 |
|---------------------------------------|------------------------------------|---------------------------------|
| NAME Joel Malefyt                     | TITLE Regulatory Analyst           | PHONE 720 929-6828              |
| SIGNATURE                             | DATE 07/11/2014                    | EMAIL joel.malefyt@anadarko.com |
| API NUMBER ASSIGNED<br>43047545980000 | APPROVAL<br><br><br>Permit Manager |                                 |

East 1/4 Cor. Sec. 13:  
Found 1968 Brass Cap  
in Pile of Stones.

N1°09'W - 40.76 (G.L.O.)  
N01°03'58"W - 2690.13' (Meas.)

**T9S, R21E, S.L.B.&M.**

100.43'  
1.51 (G.L.O.)  
SE Cor. Sec. 13:  
Found 1968  
Brass Cap.  
Pile of Stones.

S89°36.0'W - 47.034 (G.L.O.)  
3103.60' (Measured to True Corner)  
C.C. S89°41'11"W - 3104.34' (Measured to C.C.)  
27.037 (G.L.O.)  
19.997 (G.L.O.)

S89°55.7'W - 40.060 (G.L.O.)  
N89°59'21"W - 2644.02' (Meas.)

North 1/4 Cor. Sec. 19:  
Found 2006 Aluminum  
Cap in Pile of Stones.

Found 2006  
Aluminum Cap  
in Pile of Stones.

NBU 921-19K4CS (Surface Position)  
NAD 83 LATITUDE = 40.019380° (40° 01' 09.768")  
LONGITUDE = 109.598245° (109° 35' 53.683")  
NAD 27 LATITUDE = 40.019415° (40° 01' 09.895")  
LONGITUDE = 109.597555° (109° 35' 51.197")

NBU 921-19K4CS (Bottom Hole)  
NAD 83 LATITUDE = 40.018569° (40° 01' 06.849")  
LONGITUDE = 109.597068° (109° 35' 49.443")  
NAD 27 LATITUDE = 40.018605° (40° 01' 06.976")  
LONGITUDE = 109.596377° (109° 35' 46.958")

Sec. 24  
T9S, R20E,  
S.L.B.&M.

C.C. NW Cor. Sec. 19:  
Found 1968 Brass  
Cap in Pile of Stones.

LOT 1

LOT 2

C.C. West 1/4  
Cor. Sec. 19:  
Found 1968  
Brass Cap.

65.02'  
0.97 (G.L.O.)  
East 1/4 Cor.  
Sec. 24: Found  
1968 Brass Cap.  
Pile of Stones.

S89°47'34"W  
5706.66' (Measured to C.C.)  
5707.16' (Measured to True Corner.)

**WELL LOCATION:  
NBU 921-19K4CS**

ELEV. UNGRADED GROUND = 4813.2'

LOT 3  
1988'

2313'

Well Surface  
Position

Bottom  
of Hole

1883'

1584'

LOT 4

SE Cor. Sec. 24:  
Found 1968 Brass Cap.  
Galvanized Pipe & Cap.  
Pile of Stones. Cap is  
on a Fence Line.

C.C. SW Cor. 19:  
Found 1968 Brass  
Cap with galvanized  
pipe and cap on  
west side.

C.C. 26.010 (G.L.O.)

South 1/4 Cor. Sec. 19:  
Found 2006 Aluminum Cap  
in Pile of Stones.

Found 2006  
Aluminum Cap  
in Pile of Stones  
under E-W Fence.

**NOTES:**

▲ = Section Corners Located

- Well footages are measured at right angles to the Section Lines.  
G.L.O. distances are shown in feet or chains.
- 1 chain = 66 feet.
- The Bottom of hole bears S48°04'18"E 442.89'  
from the Surface Position.
- NAD 83 Latitude & Longitude are (CORS 96)(EPOCH:2002).
- Bearings and Distances are based upon a Local Cartesian Grid,  
oriented to Geodetic North at the North 1/4 Corner of Section 8,  
T10S, R22E, S.L.B.&M. The Grid having a mean project height of  
5300'. Lineal units used are U.S. Survey Foot.
- Basis of elevation is Tri-Sta "Two Water" located in Lot 4 of Section  
1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on  
the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.

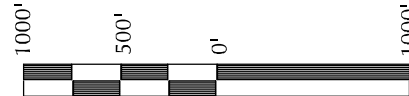
**Kerr-McGee Oil & Gas Onshore, LP**  
1099 18th Street - Denver, Colorado 80202

**WELL PAD: NBU 921-19K**

**NBU 921-19K4CS  
WELL PLAT**

**1584' FSL, 2313' FWL (Bottom Hole)  
NE ¼ SW ¼ OF SECTION 19, T9S, R21E,  
S.L.B.&M., UTAH COUNTY, UTAH.**

**CONSULTING, LLC**  
2155 North Main Street  
Sheridan, WY 82801  
Phone 307-674-0609  
Fax 307-674-0182



**SURVEYOR'S CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED  
FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR  
UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE  
AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

PROFESSIONAL LAND SURVEYOR  
REGISTRATION NO. 6028691  
STATE OF UTAH  
*John R. Slough*  
10-12-12

**TIMBERLINE**

(435) 789-1365

**ENGINEERING & LAND SURVEYING, INC.**  
209 NORTH 300 WEST - VERNAL, UTAH 84078

|                          |                    |                                  |
|--------------------------|--------------------|----------------------------------|
| DATE SURVEYED:<br>9-6-12 | SURVEYED BY: M.B.  | SHEET NO:<br><b>3</b><br>3 OF 17 |
| DATE DRAWN:<br>9-12-12   | DRAWN BY: T.J.R.   |                                  |
| SCALE: 1" = 1000'        | Date Last Revised: |                                  |